EASUREMENT BOOK

| | Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|
| | | | | | | |
| | 1 | | | | 29 × (4.5+4.0)/2 × 0.15 = 19.79 m³ | |
| | | | | | Net Quantity = 151.60 m³ | |
| | | | | | limited to = 151.45 m³ | |

2/2/2018.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

"First and final"

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353856

Serial No. .....
Name of Work ..... From..... To..... SBR-51/16-3-18
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Name of the work :- Improvements to Roads and drains at Kataramma temple Surrandings area remanna Layout in ward no-10 (Doddabommasandra), Vidyaranpura Subdivision. | | | | | | |
| | Estimated cost :- Rs 25.00 Lakhs. | | | | | | |
| | JD-number :- 010-18-000008. | | | | | | |
| | Head of Account :- 01878 per-works (Bhagyalakshmi, Soorya/Neeru 40% and General [54 wards] / 17-18. / New wards) | | | | | | |
| | Work order :- BBMP/EE/BTP/WO/35/2017-18. Dated :- 20-12-2017. | | | | | | |
| | Agency :- Executive Engineer, KRIDL. #280, 59th ramwad 17th 'C' main road, 3rd 'Y' block, Rajajinagar Bl ore-10. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | (1) Earth work Excavation by manual means in ordinary soil in making an average horizontal throw upto 20metres and an average lift upto 0.50m, excavated surface dereled and sides neatly dressed, the disposed earth to be levelled neatly after bocaking of leads etc., Complete as per specifications. As per Premeasurement wide of MB No-3539 & Page No-353852 to 353853 | | | | | 346.73 m³ | |
| | (2) Construction of embankement with material gravel/murrum "KSHB M300-53 Construction of embankement with approved material gravel/murrum, with all lift and leads, transporting to site, spreading, grading to required slope and compaction to meet Requirement Table 300-2 complete as per specifications [Including cost of gravel/murrum, watering charges and compacting by vibratory roller to 95% of proctor density etc., Complete as per specifications. and directions. As per Premeasurement wide of MB No-3539 & Page No-353853 | | | | | 1228.76 m³ | |
| | @ Rs. 199.36 | | | | | Rs 69124.09 | |
| | @ Rs. 320.12 | | | | | Rs 39297.9 | |

Serial No. .....
Name of Work .....
Name of Contractor of na
Date of commencement

| Date | Full descriptio |
|---|---|
| 1 | 2 |
| (3) | Construction of aggregates of gra at one, carriag with motor grad achieve the de For grading 1/ m As per premeasurem MB No- 3539 & Pa providing and L cement (A) 180 K (B) 0.85 cum an |

SUREMENT BOOK

| Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|
| Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | | | | | |
| | | | | | |
| | | | | |

# MEASUREMENT BOOK

Serial No. .....
Name of Work
Name of Contr
Date of comm

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | layers not exceeding 15cm thick including cost of all materials, as per specification. As per measurement vide MB No- 3539 of page no- 353854 to 353855 | well | Compacted in foundation, and plinth, labour, tools & machinery, curing etc., complete | | | 15/1.43 m³ | Rs 78230.4 |
| | | | (4) Rs. 5159.02 | | | | |
| | (5) providing and removing centering, shuttering, strutting, propping etc., and removal of the work, for vertical surface such as walls at any height, including all materials, labour etc., Complete as per specifications, plinth and string courses, cost of all materials, labour etc., Complete as per specifications and direction of M.C. Sri Kanakaramma temple 4th floor | 2 × | 30 × | 0.30 | = | 18.00 m² | |
| | C&F.C | 2 × | 32.8 × | 0.30 | = | 18.48 m² | |
| | 19/6/23 | 2 × | 30 × | 0.30 | = | 18.00 m² | |

ASUREMENT BOOK

| | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|
| | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| well compacted in foundation, and plinth<br>labour, Hire of machinery, Lorry etc., Complete<br>3539 | | | | | 151.43m³ | |
| (a) Rs. 5159.02 | | | | | Rs 781230.4 | |
| shuttering, strutting, propping etc., and removal of for<br>walls of any thickness, including attache<br>and String Courses, cost of all materials, labo<br>ings and dressing of m. | | | | | | |
| | 2× | 30× | 0.30 | = | 18.00m² | |
| | 2× | 30.8× | 0.30 | = | 18.48m² | |
| | 2× | 30× | 0.30 | = | 18.00m² | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353858

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | | 2× | 30.5× | 0.30 | = 18.30m² | | |
| | | 2× | 30× | 0.35 | = 21.00m² | | |
| | | 2× | 31.5× | 0.30 | = 18.90m² | | |
| | | 2× | 30× | 0.30 | = 18.00m² | | |
| | | 2× | 30.5× | 0.30 | = 18.30m² | | |
| | | 2× | 30× | 0.35 | = 21.00m² | | |
| | | 2× | 30.8× | 0.30 | = 18.48m² | | |
| | | 2× | 30× | 0.30 | = 18.00m² | | |
| | | 2× | 29× | 0.30 | = 17.40m² | | |
| | | | net quantity = | | 223.86 m² | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Carried Quantity | | | | | | |
| | | 1 | to | = | | 221.40 m² | |
| | | | @ Rs. 310.58 | | | | Rs 68762-00 |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

⑥ Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared subbase with OPC cement or any other type as per Clause 1051.2.2 design mix M20/M30 with 25 mm and down size graded granite metal coarse aggregates and fine aggregate, conforming to IS 9103-1999 Superplasticizers @ 3 kgs conforming to IS 9103-1999 Reaffirmed-2002, mixed in a concrete mixer of not less than 0.6 cum, Capacity and appropriate weigh batched as per approved mix design, laid on approved fixed side form work (steel channel laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) spreading the concrete with shovels, raked compacted using needle, Screed and plate vibrator and finished in a continu

Serial No. .....
Name of Work .....
Name of Contractor of
Date of commencemen

| Date | Full descript |
|---|---|
| 1 | 2 |
| | Operation incl Joints includ sealant primer. lines and gra Paver Coarse Near Kata Gaana 4th Cls |

## SUREMENT BOOK

| Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measureme 8 |
|---|---|---|---|---|---|
| | to | = | 221.40 m² | | |
| | | @ Rs. 310.58 | | Rs 68762=5 | |
| nstructi | on of un-reinforced plain cement concrete | | | | |
| sion, | over a prepared subbase with OPC cement | | | | |
| 1.2 | clessmix M20/M30 with 25mm and | | | | |
| aggre | gates and blue aggregate, | | | | |
| ng Lo | 1979/03+1999 Reaffirmed-2008, | | | | |
| n 0.6 | cum, Capacity and appropriate | | | | |
| id ion | approved fixed side form work (steel chan | | | | |
| thick | polythene sion, wedges, steel plates | | | | |
| drawing | spreading the concrete with shovels, rak | | | | |
| d end | plate vibrator and finished in a contin | | | | |

Engineer
Division
2-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353859

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Operation including provision of contraction, expension, construction and longitudinal joints including groove cutting, chamfering, joint filler, separation membrane, joint sealant primer, joint sealant, admixture as approved, curing compound finishing complete as per specification — M20 [at 300 kg @ 0.64 cum and fine aggregate @ 0.43 cum] etc.:- | | | | | | |
| | | 1 × 30 × [(4.0+3.9)/2] | | | × 0.125 = | 14.81 m³ | |
| | | 1 × 30 × [(3.9+3.8)/2] | | | × 0.125 = | 14.82 m³ | |
| | | 1 × 30 × [(3.8+3.7)/2] | | | × 0.125 = | 14.44 m³ | |
| | | 1 × 30.5 × [(3.9+3.8)/2] | | | × 0.125 = | 14.68 m³ | |
| | | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement | Serial No. ..... |
|---|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | | Name of Work ..... |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Name of Contractor of natu |
| | New Kataramma temple 5th floor- | 1× | 30 × $\left[\frac{3.9+3.8}{2}\right]$ × 0.125 = | | | | 14.44 m³ | Date of commencement of |
| | | 1× | 31.5 × $\left[\frac{3.8+4.1}{2}\right]$ × 0.125 = | | | | 15.55 m³ | |
| | | 1× | 30 × $\left[\frac{4.8+4.5}{2}\right]$ × 0.125 = | | | | 17.44 m³ | |
| | | 1× | 30.5 × $\left[\frac{4.5+4.6}{2}\right]$ × 0.125 = | | | | 17.35 m³ | |
| | | 1× | 30 × $\left[\frac{4.6+4.5}{2}\right]$ × 0.125 = | | | | 17.06 m³ | |
| | | 1× | 30.8 × $\left[\frac{4.5+4.6}{2}\right]$ × 0.125 = | | | | 17.52 m³ | |
| | | 1× | 30 × $\left[\frac{4.7+4.5}{2}\right]$ × 0.125 = | | | | 17.25 m³ | |

Date | Full description, 1 | 2

Assista Vidyar -B

vacuum de skin water machining, S specifications

## SUREMENT BOOK

| Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|
| Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| 1× | 30 × [(3.9+3.8)/2] × 0.125 = | | | | 14.44 m³ |
| 1× | 31.5 × [(3.8+4.1)/2] × 0.125 = | | | | 15.55 m³ |
| 1× | 30 × [(4.8+4.6)/2] × 0.125 = | | | | 17.44 m³ |
| 1× | 30.5 × [(4.5+4.6)/2] × 0.125 = | | | | 17.35 m³ |
| 1× | 30 × [(4.6+4.5)/2] × 0.125 = | | | | 17.06 m³ |
| 1× | 30.8 × [(4.5+4.6)/2] × 0.125 = | | | | 17.52 m³ |
| 1× | 30 × [(4.7+4.5)/2] × 0.125 = | | | | 17.25 m³ |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353860

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1× | 29 × [(4.5+4.6)/2] | | | × 0.125 = | 16.49 m³ |
| | | | wet quantity | | | = | 191.85 m³ |
| | | | Less quantity limited to | | | = | 191.29 m³ |
| | Vacuum de-watering with vacuum pump and suction mat and SKIN trowel finish (Clubbed with floating disc including cost of generator from of machinery, Screed vibratory, power trowel, blade and disc etc., complete as per specifications and directions. & cm. | | @ Rs. 5508.82 | | | Rs | 1053782=00 |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Near Kataramma Temple 4th Qtrs- | 1× | 30× | $\left[\frac{4.0+3.9}{2}\right]$ | | = 118.50m² | |
| | | 1× | 30.8× | $\left[\frac{3.9+3.8}{2}\right]$ | | = 118.58m² | |
| | | 1× | 30× | $\left[\frac{3.8+3.9}{2}\right]$ | | = 115.50m² | |
| | | 1× | 30.5× | $\left[\frac{3.9+3.8}{2}\right]$ | | = 117.43m² | |
| | | 1× | 30× | $\left[\frac{3.9+3.8}{2}\right]$ | | = 115.50m² | |
| | | 1× | 31.5× | $\left[\frac{3.8+4.1}{2}\right]$ | | = 124.43m² | |
| | Near Kataramma Temple 5th Qtrs- | 1× | 30× | $\left[\frac{3.8+4.5}{2}\right]$ | | = 139.50m² | |

Serial No. .....
Name of Work .....
Name of Contractor
Date of commencem

| Date | Full desc |
|---|---|
| 1 | |

## SUREMENT BOOK

| Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|
| Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| 1× | 30× [4.0+3.9 / 2] | | | = 118.50m² | |
| 1× | 30.8× [3.9+3.8 / 2] | | | = 118.58m² | |
| 1× | 30× [3.8+3.9 / 2] | | | = 115.50m² | |
| 1× | 30.5× [3.9+3.8 / 2] | | | = 117.43m² | |
| 1× | 30× [3.9+3.8 / 2] | | | = 115.50m² | |
| 1× | 31.5× [3.8+4.1 / 2] | | | = 124.43m² | |
| 1× | 30× [4.8+4.5 / 2] | | | = 139.50m² | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353861

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1× | 30.5× [4.5+4.6 / 2] | | | = 138.78m² | |
| | | 1× | 30× [4.6+4.5 / 2] | | | = 136.50m² | |
| | | 1× | 30.8× [4.5+4.6 / 2] | | | = 140.14m² | |
| | | 1× | 30× [4.7+4.5 / 2] | | | = 138.00m² | |
| | | 2× | [4.5+4.6 / 2] | | | = 131.95m² | |
| | | | | | net utility | = 1534.80m² | |
| | | | | | Quantity limited to | = 1530.30m² | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Quantity to be paid NW | | | | | = 1530.30 m² | |
| | | | @ Rs 95.40 | | | Rs 145991/- | |
| | | | | Sub total - | | Rs 225109/- | |
| | KRIDL charges @ 1% | | | | | - Rs 2251/- | |
| | Labour cess @ 1% | | | | | - Rs 2251/- | |
| | | | | Grand total - | | Rs 249873/- | |
| | 13/03/2018 | | | | | | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

7270 [illegible]

Serial No. .....
Name of Work .....
Name of Contractor of nature o
Date of commencement of wor

| Date | Full description, etc, |
|---|---|
| 1 | 2 |

Assistant Executive Engineer
Vidyaranyapura Sub-division
KRIDL, BBMP, Bangalore

184.8m

## ASUREMENT BOOK

| Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|
| Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | | | | = 1530.30 m² | |
| | | | | @ Rs 95.40 | Rs 14599/- |
| | | | | Sub total - | Rs 22511/- |
| | | | | RIDL charges @ 10% - | Rs 2251/- |
| | | | | Labour cess @ 1% - | Rs 225/- |
| | | | | Grand total - | Rs 24987/- |

13/03/2018

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353862

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | 2 | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | | | 184.85 | | | | |
| | | | 180.35 | | | | |

Assistant Executive Engineer
Vidyaranyapura Sub-division
KRIDL, BBMP, Bangalore

Kalavana Textile Showroom

INDEX:- - Concrete wall Executed.

F Doddamma Sudra main road

13/03/2018.

14

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 2498731-00<br>ಗಳಿಗೆ ಕಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 228036-00<br>ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 2270695-00.<br>Rs: Twenty two lakhs seventy thousand six hundred ninety five only.<br>ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ<br>ಲೆಕ್ಕಾಧೀಕ್ಷಕರು<br>19/03<br>ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಾರ್ಯಾಲಯ<br>ಪೂ. ವೆ. ಮಂ. | | | | | To Let Rs 2498,731-00<br>IT - 49975-00<br>Cess 24987-00<br>CBF ½ 2499-00<br>FSD 24937-00<br>LR 24488-00<br>Fire - 1150-00<br>ಒಟ್ಟು 228036-00<br>Clear 22,70,695-00 | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work ..

| Date | Full description, etc, of w |
|---|---|
| 1 | 2 |